at1110paper_practice_test (v104)

1. Expand the following expression into standard form.

$$(5x + 8)(7x + 4)$$

2. Solve the equation.

$$6x^2 - 11x + 16 \;=\; 4x^2 + 2x - 5$$

3. Expand the following expression into standard form.

$$(7x - 9)(7x + 9)$$

4. Expand the following expression into standard form.

$$(5x + 8)^2$$

5. Factor the expression.
$$49x^2 - 16$$

6. Solve the equation with factoring by grouping.
$$12x^2 - 8x - 15x + 10 = 0$$

7. Factor the expression.
$$x^2 + 3x - 40$$

8. Solve the equation.
$$(8x + 3)(9x + 4) = 0$$